WHAT IS CLAIMED IS:

1. An apparatus for transmitting and receiving digital information including a transmitting part for transmitting digital video information and digital audio information and receiving part for receiving digital video information and digital audio information:

wherein the transmitting part comprises:

a first compressor which bit-compresses digital video information by a first compression system;

a second compressor which bit-compresses digital audio information by a second compression system;

a parity signal adder which adds common parity signal for detecting an error to the digital video information and the digital audio information bit-compressed by the first compressor and the second compressor;

a modulator which phase-modulates the digital video information and the digital audio information, to which the parity signal has been added by the parity signal adder; and

a transmitter which transmits the digital video information and the audio information modulated by the modulator to a transmission path;

wherein the receiving part comprises:

a receiver which receives digital information which is digital video information bit-compressed by a first compression system plus digital audio information bit-compressed by a second compression system, and to which has been added a parity signal for error detecting, phase-modulated and transmitted to a transmission path;

a demodulator which demodulates the digital information received by the receiver corresponding to the phase-modulation;

an error detector which detects an error of the digital information demodulated by the demodulator by use of the parity signal;

a first expander which bit-expands video information corresponding to the first compression system, the video information being among the digital information error detected by the error detector; and

a second expander which bit-expands audio information corresponding to the second compression system, the audio information being among the digital information error detected by the error detector.

2. An apparatus for transmitting and receiving digital information in accordance with claim 1, further comprising:

a first output terminal which outputs the digital video information expanded by the first expander; and

a second output terminal which outputs the digital audio information expanded by the second expander.

3. An apparatus for transmitting and receiving digital information in accordance with claim 1, comprising:

a first D/A converter which coverts the digital video information expanded by the first expander to analog video information; and

a second D/A converter which converts the digital audio

information expanded by the second expander to analog audio information.

4. An apparatus for transmitting and receiving digital information in accordance with claim 1, wherein the first compression system and the second compression system are different systems from one another.

5. An apparatus for transmitting and receiving digital information in accordance with claim 1, wherein the demodulator is a QPSK demodulator.

6. A method for transmitting and receiving digital information to transmit digital video information and a digital audio information and to receive digital video information and digital audio information, comprising the steps of:

a first compressing step which bit-compresses digital video information by a first compression system;

a second compressing step which bit-compresses digital audio information by a second compression system;

a parity signal adding step which adds a common parity signal for detecting an error to the digital video information and the digital audio information bit-compressed in the first and second compressing steps;

a modulating step which phase-modulates the digital video information and the digital audio information to which the parity signal has been added by the parity signal adding step;

a transmitting step which transmits the digital video information and the audio information modulated in the modulating step to a transmission path;

a receiving step which receives digital information which is digital video information bit-compressed by a first compression system plus a digital audio information bit-compressed by a second compression system, and to which has been added a parity signal for error detecting, phase-modulated and transmitted to a transmission path;

a demodulating step which demodulates the digital information received in the receiving step corresponding to the phase-modulation;

an error detecting step which detects an error of the digital information demodulated in the demodulating step by use of the parity signal;

a first expanding step which bit-expands video information corresponding to the first compression system, the video information being among the digital information error detected in the error detecting step; and

a second expanding step which bit-expands audio information corresponding to the second compression system, the audio information being among the digital information error detected in the error detecting step.

7. A method for transmitting and receiving digital information in accordance with claim 6, further comprising:

a first outputting step which outputs the digital video information expanded in the first expanding step; and

a second outputting step which outputs the digital audio information expanded in the second expanding step.

8. A method for transmitting and receiving digital information in accordance with claim 6, further comprising:

a first D/A converting step which converts the digital video information expanded in the first expanding step to analog video information; and

a second D/A converting step which converts the digital audio information expanded in the second expanding step to analog audio information.

9. A method for transmitting and receiving digital information in accordance with claim 6, wherein the first compression system and the second compression system are different systems from one another.

10. A method for transmitting and receiving digital information in accordance with claim 6, wherein the demodulation is a QPSK demodulation.

11. An apparatus for receiving digital information which is digital video information bit-compressed by a first compression system plus digital audio information bit-compressed for error detecting, phase-modulated and transmitted to a transmission path, comprising:

a receiver which receives the transmitted digital

information;

a demodulator which demodulates the digital information received by the receiver corresponding to the phase-modulation;

an error detector which detects an error of digital information demodulated by the demodulator by use of a parity signal;

a first expander which bit-expands video information corresponding to the first compression system, the video information being among a digital information error detected by the error detector; and

a second expander which bit-expands audio information corresponding to the second compression system, the audio information being among a digital information error detected by the error detector.

12. An apparatus according to claim 11, wherein the first compression system and the second compression system are different systems.

13. An apparatus according to claim 11, wherein the demodulator affects QPSK demodulation.

14. An apparatus according to claim 1, further comprising:

an output terminal which outputs the digital information

error-detected by the error detector to a recording/reproducing apparatus;

an input terminal which inputs a reproduced signal from the recording/reproducing apparatus; and

a selector which selects one of the digital information error-detected by the error detector and the digital information inputted from the input terminal;

wherein the digital information selected by the selector is bit-expanded by the first expander and the second expander.